

PHMSA ACTIONS TAKEN RELATED TO SAN BRUNO INCIDENT

Improving Pipeline Integrity

April 2011 Secretary's [Call to Action](#) to Rehabilitate, Repair or Replace Highest Risk Pipe
May 2011 [Seam R & D Project](#) Initiated
July 2011 [Seam Workshop](#) Held
July 2012 [R & D Forum](#) Held

Improving Implementation of the Integrity Management Program and Other Regulations

January 2011 [Advisory Bulletin](#) regarding Risk Assessments issued
May 2011 [Final Rule](#) Expediting Application of CRM
July 2011 [Risk Assessment Workshop](#) held
August 2011 [Advance NPRM](#) regarding Gas Transmission pipes issued
November 2011 State Action Plan to improve state programs' enforcement, data sharing, etc.
January 2012 [Pipeline Safety Act](#) signed
October 2012 [Performance Measure Workshop](#) planned

Improving Operators' Records Management

January 2011 [Advisory Bulletin](#) regarding Records Management issued
July 2011 [Recordkeeping Workshop](#) held
April 2012 Information Collection relating to use of Grandfather Clause issued
May 2012 [Advisory Bulletin](#) regarding Preserving/Verifying Records to Calculate MAOP issued
March 2013 Annual Reports filed including information regarding Grandfather Clause

Improving Emergency Response to Incidents

November 2010 [Advisory Bulletin](#) regarding Emergency Response Plans issued
May 2011 [Pipeline Emergencies 2.0](#) published
December 2011 [Emergency Responder Forum](#) held
March 2012 [Automated/Remote Shut-Off Valve Workshop](#) held
March 2012 Automated/Remote Shut-Off Valve Study initiated
October 2012 [Automated Shut Off Valve Workshop](#) regarding study progress to be held

Improving Oversight of PG&E

April 2011 Joint Audit with CPUC of PG&E Risk Assessment Program
November 2011 Joint Audit of PG&E Public Awareness Program effectiveness
February 2012 Joint Audit of PG&E Operation, Maintenance, and Emergency Response Plans
August 2012 Joint Audit of PG&E Transmission Integrity Management Program
September 2012 Additional Joint Audit of PG&E Transmission Integrity Management Program
October 2012 Joint Audit of PG&E Operator Qualification Program
October 2012 Joint Audit of PG&E Control Room Management Program
December 2012 Joint Audit of PG&E Distribution Integrity Management Inspection
April 2013 Joint Audit of PG&E Standard Inspection North Bay Operations